

**NATIONAL FOREIGN ASSESSMENT CENTER**

WASHINGTON, D. C. 20505

2 JUL 1981

Commander
US Army Tank Automotive Command
ATTN: BG Church M. Matthews, Jr.
Warren, Michigan 48090

Dear General Matthews:

At the request of General Meyer, Chief of Staff, Army, CIA has dedicated additional resources within several components of the National Foreign Assessment Center to the analysis of foreign land armaments production and technical capabilities. In our effort to expand our expertise on these subjects, we believe it would be beneficial for our analysts to better understand the US tank development cycle. A knowledge of the interactions between user needs, science and technology, management of resources, production decisions, and deployment problems would help us provide better intelligence on foreign tank development.

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[redacted] Commander, Joint Intelligence Coordination Staff, USA, now assigned to CIA to help with the technical analysis of foreign tanks, suggested that in your position as the Chairman, Program Advisory Council, Tank Science and Technology Base Development Plan, you have personnel with the unique expertise that would be of use to our analysts. [redacted] informally contacted General Anderson in November 1980 regarding the possibility of arranging a course of instruction for our analysts. General Anderson had expressed his willingness to provide instructors for such a four- or five-day course under our sponsorship. We hope that it is still possible to establish this important element of our training.

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We have prepared a suggested curriculum (Attachment 1) which outlines those topics which we presently think the course should contain. The commands listed for presentations are those suggested by [redacted]

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[redacted] Additional related subjects that you or your personnel deem

important could be included. A sample lesson plan for a typical presentation is also attached (Attachment 2) to give your instructors an idea of the range of our interest.

If you can provide instructors, we would like for the course to be conducted in the late summer or fall of 1981 during a week that is most convenient to you. The class would consist of approximately 25 analysts from the CIA Offices of Strategic Research, Scientific and Weapons Research, [redacted] We estimate that an individual instructor would give only a 50-minute formal presentation and require no more than two days TDY. The Agency, of course, would pay the travel and any per diem expenses of the instructor.

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I have appointed [redacted]
[redacted] as the course coordinator. He is prepared to work with your staff on timing, funding, and other details in establishing the course.
[redacted]

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Your assistance in providing this training will be deeply appreciated.



R. E. Hineman
Deputy Director
National Foreign Assessment Center

SUGGESTED CURRICULUM TANK DEVELOPMENT COURSE

| | <u>Presenter</u> | <u>Time (min)</u> |
|--|------------------|-----------------------|
| <u>First Day</u> | | |
| I. Introduction | CIA | 50 |
| II. Tank Design and Development | | |
| A. Management | | |
| 1. US Development Cycle | ODCSRDA | 50 |
| 2. User Impact and Material Needs Documents | USAARMC | 50 |
| 3. Project Management | PM M-1 | 50 |
| B. Basic Research | | |
| 1. Basic and Applied Research | ARO | 50 |
| 2. Human Factors | HEL | 50 |
| Discussion Period | | 50 |
| <u>Second Day</u> | | |
| B. Basic Research (cont'd.) | | |
| 3. Data Needed for Decisions | AMSAA/BRL | 50 |
| 4. Testing | TECOM | 50 |
| C. Mobility | | |
| 1. Propulsion | TACOM | 50 |
| 2. Suspension | TACOM | 50 |
| D. Protection | | |
| 1. Armor Materials | AMMRC | 50 |
| 2. Special Armor and Reactive Materials | BRL | 50 |
| Discussion Period | | 50 |
| <u>Third Day</u> | | |
| E. Firepower | | |
| 1. Armament and Ammunition | PM TMAS | 50 |
| 2. Fire Control | ARRADCOM | 50 |
| 3. Missiles | MICOM | 50 |
| 4. Electro-optics/Night Vision | ERADCOM | 50 |
| F. Communications | | |
| 1. Radios/Data Processing | CORADCOM | 50 |

| | <u>Presenter</u> | <u>Time (min)</u> |
|--|------------------|-----------------------|
| <u>Third Day (cont'd)</u> | | |
| III. Production and Deployment | | |
| A. Production Management | | |
| 1. Design vs. Producibility | PM M-1/PM M-60 | 50 |
| 2. Plant Design/Modification | PM M-1/PM M-60 | 50 |
| Discussion Period | | 50 |
| <u>Fourth Day</u> | | |
| B. Deployment | | |
| 1. Steps in Deployment Sequence | PM M-1/PM M-60 | 50 |
| 2. Foreign Military Sales and Shipment | DARCOM | 50 |
| Discussion Period | | 50 |
| IV. Summary | | |
| Summary of Course | CIA | 50 |
| Introduction and Summary | | 2 hours |
| Presentations | | 20 hours |
| Discussions | | 4 hours |
| TOTAL | | 26 hours |

SAMPLE LESSON PLAN
TANK DEVELOPMENT COURSE

| | |
|---|----------|
| Introduction | 2 min |
| Review of Today's Technology | 15 |
| Predicted Technology Development Trends | 5 |
| Resource Requirements | 10 |
| Facilities | |
| Personnel | |
| Unique Requirements | |
| Interface with Program Manager (PM) | 5 |
| Typical Development Lead Times | 3 |
| Summary | 3 |
| Questions/Discussion | <u>7</u> |
| Total Time | 50 min |